December 11, 2002
KES Project #01-1480-2

Ms. Laurie Apecechea
San Diego County DEH
Land and Water Quality Division
Post Office Box 129261
San Diego, California 92112-9261

Subject: Groundwater Monitoring Report
2nd Quarter 2002
Bannister Steel, Inc.
3202 Hoover Avenue
National City, CA 91950
Unauthorized Release #H08382-001

Dear Ms. Apecechea:

As consultants to Bannister Steel, Inc., **Kahl Environmental Services *(KES)*** has been authorized to submit the following Groundwater Monitoring Report pertaining to the unauthorized release at the subject property (Figure 1). This report presents groundwater sampling activities performed on June 21, 2002. This groundwater assessment was to characterize groundwater conditions at the subject site following the onsite soil mitigation/excavation efforts. Due to the excavation activities conducted between July and November 2001, monitoring wells MW-2 and MW-4 and observation well OW-1 were destroyed. All existing site wells (MW-1, MW-3, and MW-6 through MW-9) were assessed this quarter, with the exception of well MW-10, since it was not accessible due to obstruction from a trailer parked on top of the well.

Item 1: Groundwater Level Measurements

The previously existing observation well (OW-1) and four monitoring wells (MW-1 through MW-4) were surveyed in March 1997 relative to an arbitrary elevation established as 20 feet at the top of well casing MW-4. Wells MW-6 and MW-7 were surveyed relative to the top of well casing MW-4 in January 1999 and wells MW-8 through MW-10 in April 1999. No well MW-5 ever existed. Topographic maps of the site vicinity (Figure 1) indicated the site is at approximately 10 feet above mean sea level. In order to compare site groundwater conditions to regional hydrologic conditions, San Diego Bay, Paradise Creek, and Sweetwater River, the arbitrary elevation was re-established to 10 feet at the top of well casing MW-4. All prior water levels were recalculated to reflect this change.

However, in order to be in compliance with recent State Water Quality Control Board regulations for Assembly Bill 2886 and GeoTracker requirements, KES conducted a new survey of all site wells to the Mean Sea Level (MSL) datum using a licensed land surveyor on March 11, 2002. Current and all future water level data will be presented with the MSL datum. Refer to Table 1 for a summary of well construction data and Table 2 for a cumulative summary of groundwater level measurements. Groundwater levels this quarter ranged from 1.35 feet (MW-1) to 1.67 feet (MW-3) above MSL elevation.

Item 2: Groundwater Gradient

An interpretation of the groundwater gradient in the vicinity of the site monitoring wells is illustrated on Figure 2. The average hydraulic gradient is approximately 0.005 ft/ft (feet of vertical drop per foot of horizontal run) to the south-east for the western portion of the site and approximately 0.0007 ft/ft to the southwest for the eastern portion of the site. The estimated gradients are based on water level measurements and 3-point interpolation between the monitoring wells.

Item 3: Sample Collection Methods

Well purging and sample collection procedures were conducted in accordance with the 2002 San Diego County SA/M Manual guidelines. Kahl Environmental Services' standard sampling procedures are presented in Appendix A of this report. All wells exhibited fast recovery as defined in the County SA/M Manual (>80 percent recovery within two hours). A total of approximately 165 gallons of water was purged from the wells prior to sampling and placed in labeled DOT-rated 55-gallon drums for temporary on-site storage pending laboratory results and proper disposal by a state-licensed transporter (refer to Appendix C for the waste manifest).

Item 4: Laboratory Data, Chain-of-Custody, Analytical Methods

The laboratory report and Chain-of-Custody documentation for samples collected during this quarter are presented in Appendix B. A compilation of the current and previous groundwater analytical results is tabulated in Tables 3 and 4.

A State-certified laboratory performed all laboratory analyses. Groundwater samples were tested for the presence of Benzene, Toluene, Ethylbenzene, and Total Xylenes (BTEX), Methyl-Tertiary-Butyl-Ether (MTBE), Di-Isopropyl Ether (DIPE), Tertiary-Amyl-Methyl-Ether (TAME), Ethyl-Tertiary-Butyl-Ether (ETBE), and Tertiary-Butyl-Alcohol (TBA) by EPA Method 8260B, and Total Petroleum Hydrocarbons (TPH-gasoline range) by CA DHS Method 8015 (Table 3). Additionally, groundwater samples were analyzed for various chemical and physical parameters associated with biodegradation processes to enable evaluation of natural attenuation processes at the site. The specific Remediation by Natural Attenuation (RNA) parameter testing includes: pH, Dissolved Oxygen, Nitrate-Nitrite-N, Sulfate, Sulfide, and Total Iron (Table 4).

Item 5: Figures

Enclosed figures include:

Figure 1: Site Plan

Figure 2: Groundwater Gradient Map (2nd Quarter 2002)
Figure 3: Benzene Impact Map (2nd Quarter 2002)

Item 6: Phase-Separated Product

No phase-separated product was observed in or recovered from the groundwater monitoring wells at the subject site during the current quarterly sampling.

Item 7: Laboratory Quality Assurance/Quality Control (QA/QC)

To determine the validity of the laboratory's performance during sample analyses, the QA/QC laboratory results have been reviewed. All QA/QC sample results were within acceptable criteria for this sampling event (Appendix B).

Item 8: Findings

Since last monitoring event in March 2002, groundwater levels increased in elevation in all site monitoring wells measured this quarter. Water levels increased an average of +0.15 foot and ranged from +0.06 foot (MW-3) to +0.19 foot (MW-8).

Groundwater level contours (Figure 2) indicate that the average groundwater gradient magnitude and southeasterly direction for the western portion of the site has remained approximately the same since the last sampling event (March 2002). Historically, the groundwater gradient magnitude and direction beneath the western part of the site has remained approximately the same since 1997. Beneath the eastern part of the site, both the gradient magnitude and the southwesterly direction have remained approximately the same since March 2002. Water levels and groundwater gradients beneath the site are potentially influenced by the Sweetwater River to the south, Paradise Creek to the west, and the unnamed tributary to Paradise Creek to the north.

Benzene concentrations were detected above the laboratory-estimated quantitation limit (EQL) of 1 micrograms per liter (µg/l) in two (MW-1 and MW-7) of the six wells sampled this quarter (Table 3 and Appendix B). Benzene concentrations decreased in two wells (MW-1 and MW-7) when compared to last quarter. Detectable Benzene concentrations ranged from 6.7 µg/l (MW-1) to 107 µg/l (MW-7). Benzene concentrations are above the Maximum Contaminant Level (MCL) of 1 µg/l in both wells containing detectable benzene concentrations. An interpretive benzene plume map is presented in Figure 3. Benzene was not detected above the EQL in wells MW-3, MW-6, MW-8, and MW-9.

TPH concentrations were detected above the laboratory EQL of 20 µg/l in two of the six wells sampled this quarter (Table 3 and Appendix B). TPH concentration increased in one well (MW-7) when compared to last quarter. Detectable TPH concentrations ranged from 31 µg/l (MW-3) to 431 µg/l (MW-7). TPH concentrations continue to remain below the EQL in wells MW-1, MW-6, MW-8, and MW-9.

Trace concentrations of Ethylbenzene and Total Xylenes were detected in wells MW-1, MW-3, and MW-7 this quarter, which are all below the MCLs of 700 and 1,750 µg/l, respectively.

MTBE, DIPE, ETBE, TAME, and TBA concentrations were not detected above the respective laboratory EQLs in all wells sampled this quarter.

Dissolved Oxygen concentrations this quarter ranged from 0.5 milligrams per liter (mg/l) in well MW-1 to 2.5 mg/l in well MW-9. pH ranged from 6.97 pH units in well MW-1 to 7.68 pH units in well MW-6. Total Iron concentrations ranged from 0.3 mg/l in well MW-8 to 5.0 mg/l in well MW-9. Sulfate concentrations ranged from 681 mg/l in well MW-8 to 1,520 mg/l in well MW-1. No Sulfide concentrations were detected above the EQL of 0.05 in the wells sampled this quarter. Nitrate-Nitrite concentrations ranged from 0.10 mg/l in well MW-6 to 1.87 mg/l in well MW-7.

Item 9: Interpretation and Conclusions

This quarterly sampling indicates that groundwater at the site continues to be impacted with dissolved concentrations of gasoline-type petroleum hydrocarbons. Benzene-impacted groundwater with concentrations greater than 1 µg/l extends approximately 280 feet along a northwest-southeast axis. Geologic observations made during remedial excavation identified a broad, sand-filled paleo-channel about 18-24" thick buried at approximately 10 feet below ground surface. The axis of the channel is northwest to southeast. The orientation of this channel appears to coincide with the observed distribution of dissolved-phase hydrocarbons suggesting that the buried channel is acting as a conduit for contaminant migration. Much of the channel has been excavated on the Bannister Steel portion of the site; however, the channel extends southeastward directly beneath the Hyperbaric facility. Current analytical data indicate that the plume extends approximately 160 feet to the southeast onto the adjacent Hyperbaric Technologies property, however, it appears to be stable or contracting slightly.

Following remedial excavation, Benzene concentrations dropped to below laboratory reporting limits in all wells except MW-1 and MW-7. Both MW-1 and MW-7 are located down gradient on the Hyperbaric site within the footprint of the buried paleochannel. MW-1 has fluctuated in Benzene concentration but has averaged 7.2 µg/l over the last four sampling events (15 months). MW-7 has indicated a continuous decline from a high if 280 µg/l to 107 µg/l over the same period.

Groundwater parameters indicate that aerobic conditions exist in the subsurface. Enough dissolved oxygen and nitrate are present for aerobic degradation to be possible. The sulfate concentrations suggest an influence from sea water. The absence of sulfide further suggest aerobic conditions are sufficient to support degradation processes without reverting to secondary energy sources such as sulfate reduction.

Item 10: Recommendations

Per KES' approved workplan, two wells (MW-2 and MW-4) are planned for reinstallation. MW-2 will be reinstalled as MW-2A within the area of the former remedial excavation near the center of the former bolt barn location. MW-4 will be reinstalled as MW-4A approximately 50 feet to the northwest of MW-2A to investigate the northwesterly extension of the paleochannel (Figure 3).

If you have any questions regarding this report or require additional information, please contact our office at (619) 797-1200.

Respectfully,
Kahl Environmental Services

Reviewed by:

Simon Loli, M.S.
Associate Hydrogeologist

Scott S. Fenby, R.G. #5885
Principal Environmental Geologist

cc: Mr. Matthew Parker, Bannister Steel, Inc.

APPENDIX A

Standard Monitoring Well Sampling Procedures

a. Well Purging and Water Volume Calculation Procedures.

Prior to the purging of groundwater from a monitoring well, the well status was assessed by checking for free-floating (phase-separated) petroleum products and measuring depth to bottom and depth to groundwater. If free product had been present in a well, the thickness, depth to product, and apparent type of product would have been recorded.

Groundwater depths were measured using an electronic water level indicator calibrated to two-hundredths of a foot and interpolated to the nearest one-hundredth of a foot. The surveyed reference points on the well casings have been permanently marked for future measurement consistency. The water level probe was thoroughly decontaminated between wells using a solution of Alconox detergent and tap water followed by two tap water rinses.

The following calculations were performed to measure the volume of groundwater in a given well:

The Water Column (WC) = DTB - DTW,
where: DTB = Measured Depth to Bottom of Well Casing,
and DTW = Measured Depth to Water

Casing Volume (CV) = πr^2(WC)
where: r (casing radius) = 0.16667'

Annulus Volume (AV) = (πR^2(WC) - CV)(ρ)
where: R (borehole radius) = 0.41667'
ρ (porosity) = 0.3

Well Volume (WV) = AV + CV (in cubic feet)
where: 1 ft^3 = 7.48 gallons

Monitoring wells observed not to contain free-floating petroleum product were individually purged by pumping water from the well using a double-diaphragm, air displacement pump. The pump resided on the ground surface with the extraction hose attached to dedicated polyethylene tubes ("stingers") extending down the wells into the water column. Wells exhibiting slow recharge, as defined in the 2002 San Diego County SA/M Manual, were purged one well volume and allowed to recharge for up to two hours before collecting a water sample. Fast recharging wells were allowed to recharge to 80% of their original water column height before collecting a water sample. Fast recharging wells were purged of approximately 1.5 well volumes of groundwater as field water-

quality measurements (temperature, pH, and specific conductance) were recorded per SA/M manual protocol.

b/c. Sample Collection Methods/Equipment.

After purging, the purge equipment was removed from the well and each well was sampled. Water samples were collected using a single-use, polyethylene, and disposable bailer. The bailer was lowered by hand on a nylon cord and allowed to fill with water. Water samples were collected by carefully transferring the water into three 40-ml Volatile Organic Analysis (VOA) vials (two for analysis, one replicate sample for backup) with Teflon-lined caps using techniques to minimize aeration or agitation of the sample. To preclude the entrapment of air in the vials, each container was filled and lightly tapped to dislodge any air bubbles adhering to the sides and then overfilled to form a meniscus of water rising over the top of the rim. The tops were placed on the containers expelling excess water. The containers were then inverted to check for air bubbles. The used bailer and cord were discarded following each well sampling.

d. Decontamination Procedures.

All re-usable equipment was thoroughly cleaned between sampling events using a solution of Alconox detergent and water followed by two tap water rinses. Only new disposable equipment and materials (hose, bailers, etc.) were utilized for sampling and purging.

e. Quality Assurance/Quality Control.

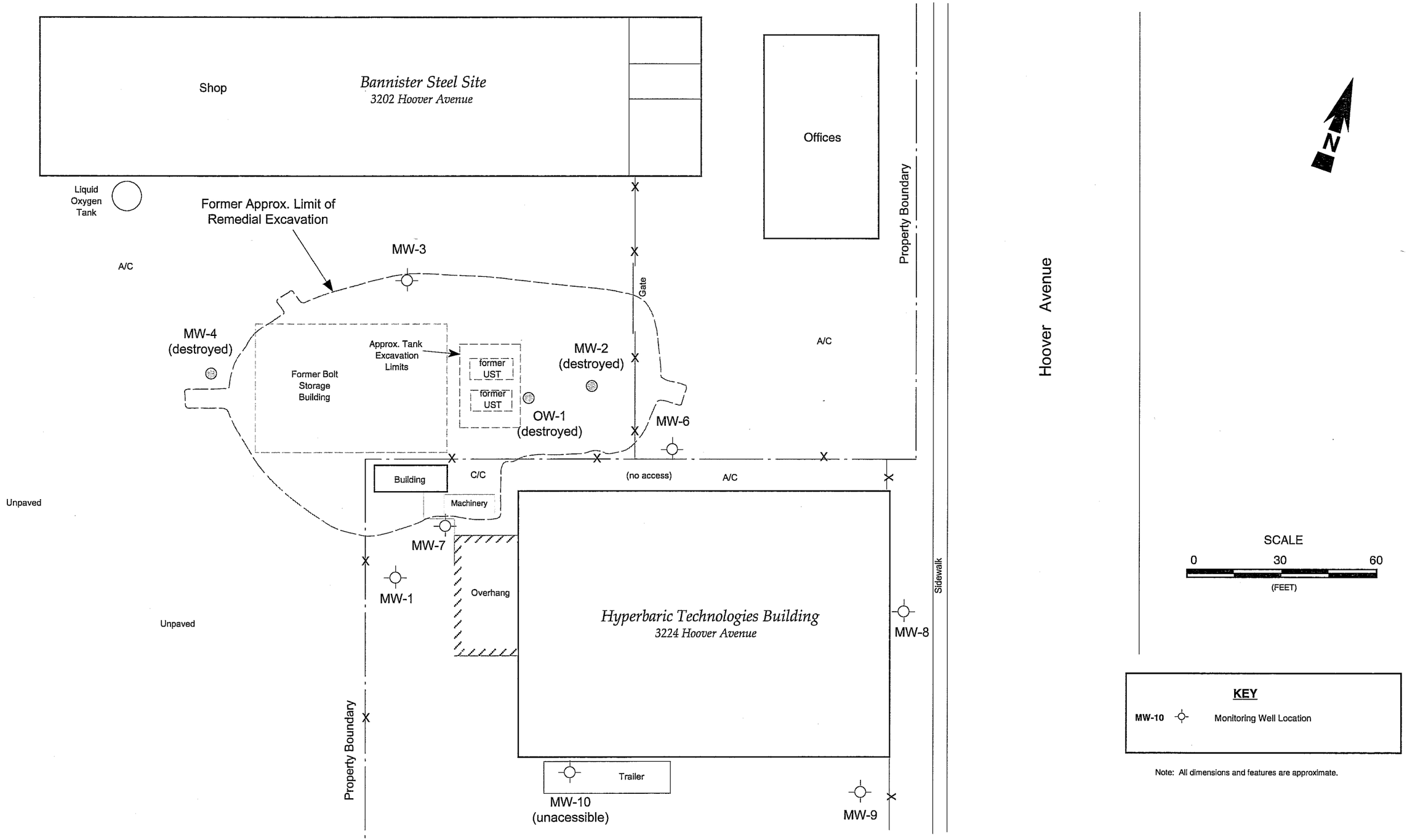
Water samples were collected in VOA vials and submitted to the state-certified laboratory for analysis. All handling of bailers, hose, and samples was performed using fresh pairs of disposable vinyl gloves.

f. Sample Preservation.

A certified laboratory provided sample containers. Vials were pre-cooled to prevent warming of the samples. Each water sample was placed in an ice chest containing “blue ice”.

g. Sample Management.

After each sample was collected, it was labeled with the sample and project numbers, date, time of collection, project number, and technician identification. The information was recorded in a sample log and on the chain-of-custody. All water samples were immediately stored in an ice chest cooled with “blue ice” pending same-day shipment to the laboratory. Barring same-day delivery, samples are held until transport and delivery in refrigerated storage at the KES offices. The samples were transported and transferred under complete chain-of-custody documentation.



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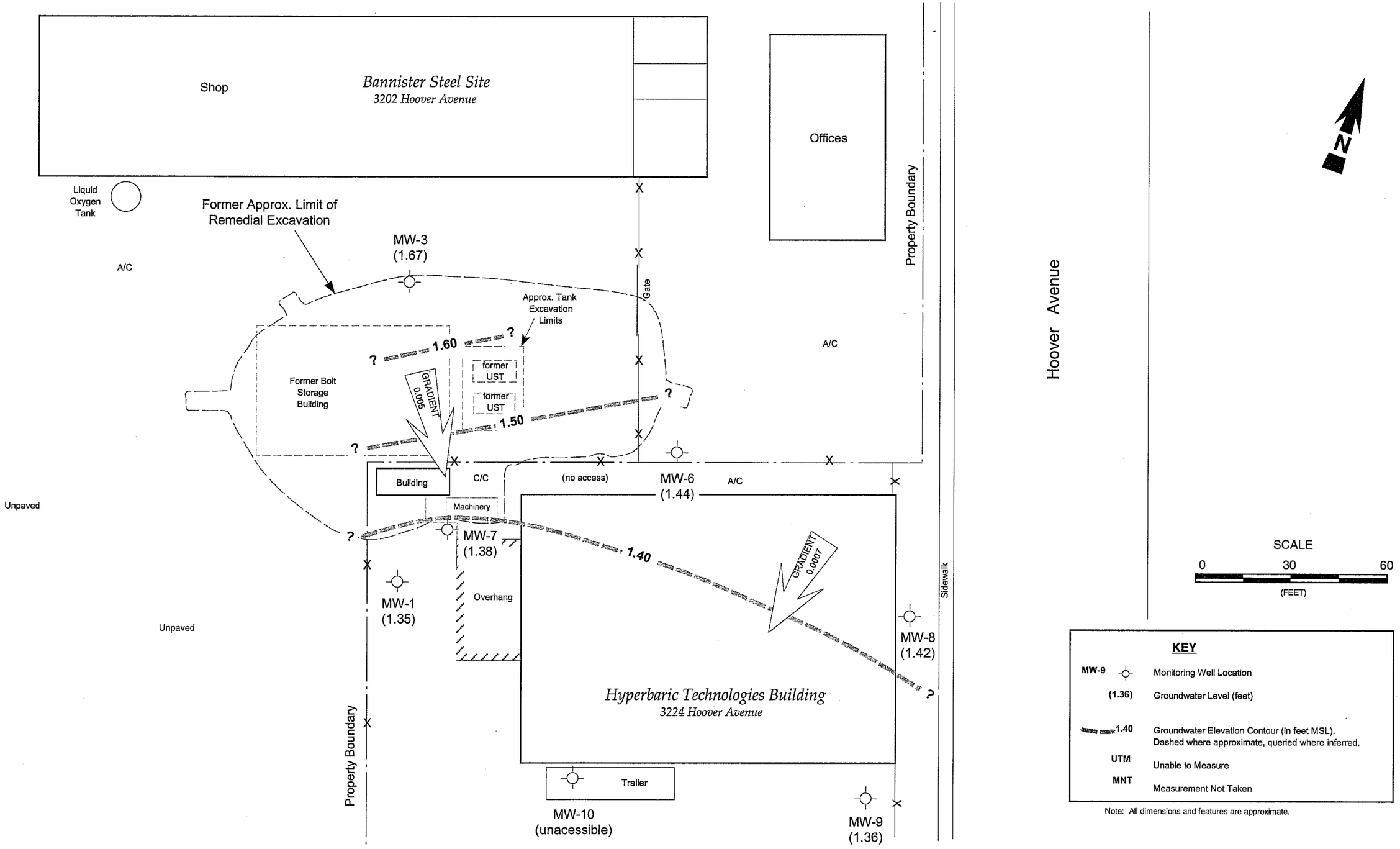
Site Plan

Bannister Steel, Inc.
3202 & 3224 Hoover Avenue
National City, California

Figure	1
Proj. #	01-1480-2
Drwg date	5-28-02



KEY

MW-9 ⊕	Monitoring Well Location
(1.36)	Groundwater Level (feet)
1.40	Groundwater Elevation Contour (in feet MSL). Dashed where approximate, queried where inferred.
UTM	Unable to Measure
MNT	Measurement Not Taken

Note: All dimensions and features are approximate.

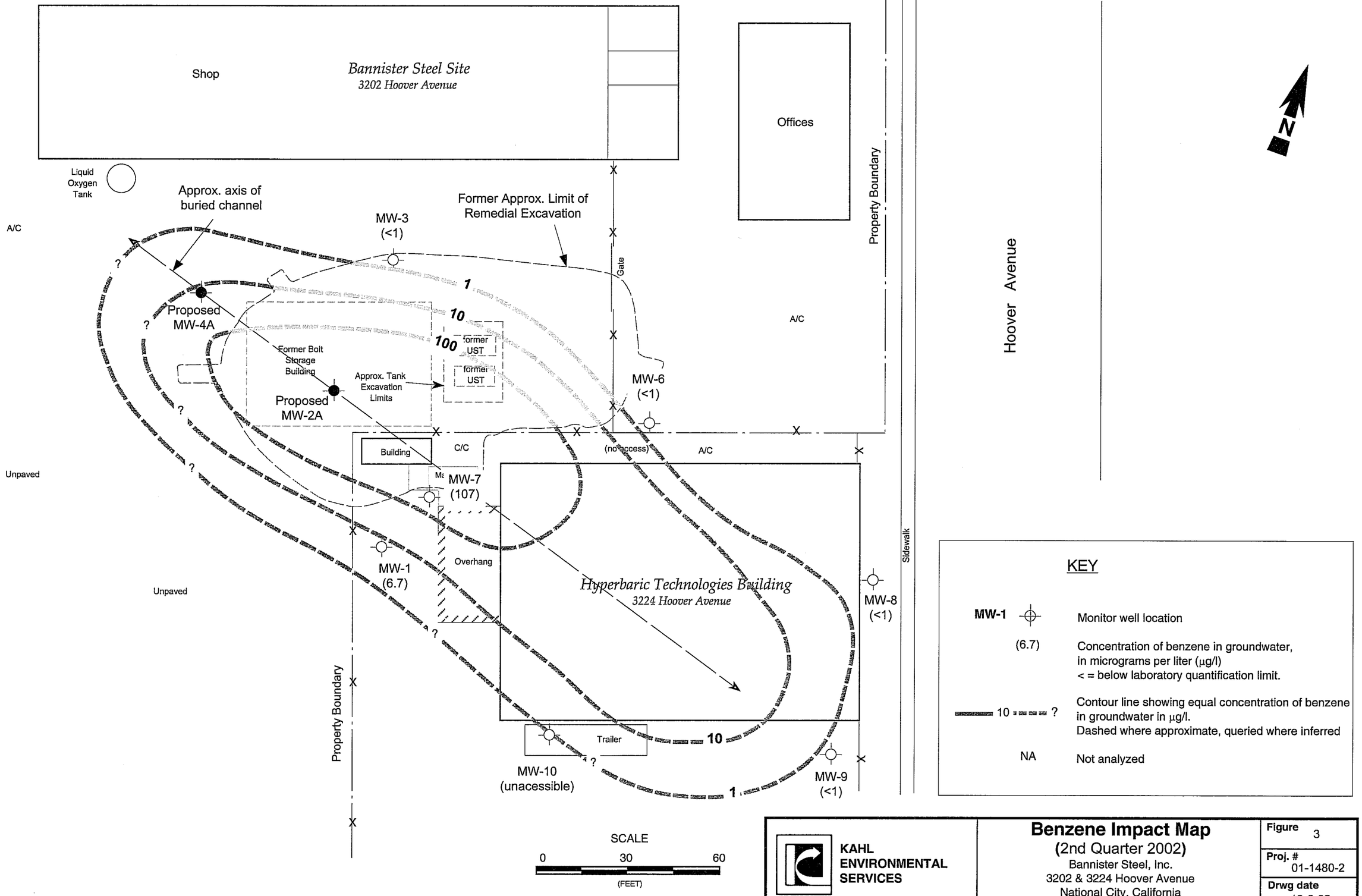
KAHL ENVIRONMENTAL SERVICES

Groundwater Gradient Map

(2nd Quarter 2002)

3202 & 3224 Hoover Avenue
National City, California

Figure	2
Proj. #	01-1480-2
Drwg date	12-10-02



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Benzene Impact Map
(2nd Quarter 2002)

Bannister Steel, Inc.
3202 & 3224 Hoover Avenue
National City, California

Figure	3
Proj. #	01-1480-2
Drwg date	12-9-02

TABLE 1
SUMMARY of WELL CONSTRUCTION DATA
Bannister Steel, Inc.

Well ID	**Date of Construction**	**Casing Type**	**Casing Size**	**Survey Elev.** (feet)	**Screen Type** (inches)	**Screen Interval** (feet bgs)	**Borehole Diameter**
OW-1 (destroyed)	June 1998	PVC	4 inch	10.13	unknown	unknown	Excavation pit
MW-1	September 1991	Sched 40 PVC	4 inch	10.52*	0.020 slot	5 to 20	10 inch
MW-2 (destroyed)	March 1997	Sched 40 PVC	4 inch	10.26	0.020 slot	5 to 20	10 inch
MW-3	March 1997	Sched 40 PVC	4 inch	10.78*	0.020 slot	5 to 20	10 inch
MW-4 (destroyed)	March 1997	Sched 40 PVC	4 inch	10.00	0.020 slot	5 to 20	10 inch
MW-6	January 1999	Sched 40 PVC	4 inch	10.89*	0.020 slot	8 to 18	10 inch
MW-7	January 1999	Sched 40 PVC	4 inch	10.83*	0.020 slot	8 to 18	10 inch
MW-8	April 1999	Sched 40 PVC	4 inch	10.84*	0.020 slot	7 to 17	8 inch
MW-9	April 1999	Sched 40 PVC	4 inch	10.51*	0.020 slot	7 to 17	8 inch
MW-10	April 1999	Sched 40 PVC	4 inch	9.61	0.020 slot	7 to 17	8 inch

Notes:
Bgs = below ground surface
Survey Elev. = Survey elevations relative to top of casing arbitrarily established as 10.00 feet of relative elevation for MW-4.
* = All existing wells surveyed to the Mean Sea Level datum using a licensed land surveyor on 3-11-02

TABLE 2
GROUNDWATER LEVEL MEASUREMENTS
Bannister Steel, Inc.

Well ID	MP Elevation (feet)	Date	Depth to Water (feet)	Free Product Thickness (inches)	Water Level Elevation (feet)
MW-1	9.71	03/19/97	8.58	0.00	1.13
	9.71	03/06/98	8.28	0.00	1.43
	9.73	02/26/99	8.73	0.00	1.00
	9.73	06/02/99	8.86	0.00	0.87
	9.73	10/04/00	8.78	0.00	0.95
	9.73	03/26/01	8.86	0.00	0.87
	9.73	06/18/01	8.97	0.00	0.76
	10.52	03/19/02	9.34	0.00	1.18
	10.52	**06/21/02**	**9.17**	**0.00**	**1.35**
MW-2	10.26	03/19/97	8.90	0.00	1.36
	10.26	03/06/98	8.42	0.00	1.84
	10.26	02/26/99	9.12	0.00	1.14
	10.26	06/02/99	9.02	0.00	1.24
	10.26	10/04/00	9.11	0.00	1.15
	10.26	03/26/01	9.17	0.00	1.09
	10.26	06/18/01	MNT	0.00	NA
Well destroyed on June 20, 2001					
MW-3	10.11	03/19/97	8.70	0.00	1.41
	10.11	03/06/98	8.15	0.00	1.96
	10.11	02/26/99	8.76	0.00	1.35
	10.11	06/02/99	8.75	0.00	1.36
	10.11	10/04/00	8.85	0.00	1.26
	10.11	03/26/01	8.89	0.00	1.22
	10.11	06/18/01	9.02	0.00	1.09
	10.78	03/19/02	9.17	0.00	1.61
	10.78	**06/21/02**	**9.11**	**0.00**	**1.67**
MW-4	10.00	03/19/97	8.32	0.00	1.68
	10.00	03/06/98	7.72	0.00	2.28
	10.00	02/26/99	8.45	0.00	1.55
	10.00	06/02/99	8.28	0.00	1.72
	10.00	10/04/00	8.53	0.00	1.47
	10.00	03/26/01	8.47	0.00	1.53
	10.00	06/18/01	8.56	0.00	1.44
Well destroyed on June 20, 2001					

TABLE 2 (Continued)
GROUNDWATER LEVEL MEASUREMENTS
Bannister Steel, Inc.

Well ID	MP Elevation (feet)	Date	Depth to Water (feet)	Free Product Thickness (inches)	Water Level Elevation (feet)
MW -6	10.01	02/26/99	8.84	0.00	1.17
	10.01	06/02/99	9.12	0.00	0.89
	10.01	10/04/00	9.08	0.00	0.93
	10.01	03/26/01	9.20	0.00	0.81
	10.01	06/18/01	9.28	0.00	0.73
	10.89	03/19/02	9.61	0.00	1.28
	10.89	**06/21/02**	**9.45**	**0.00**	**1.44**
MW - 7	10.02	02/26/99	8.86	0.00	1.16
	10.02	06/02/99	9.14	0.00	0.88
	10.02	10/04/00	9.03	0.00	0.99
	10.02	03/26/01	9.16	0.00	0.86
	10.02	06/18/01	9.26	0.00	0.76
	10.83	03/19/02	9.60	0.00	1.23
	10.83	**06/21/02**	**9.45**	**0.00**	**1.38**
MW - 8	10.01	04/26/99	8.58	0.00	1.43
	10.01	06/02/99	9.12	0.00	0.89
	10.01	10/04/00	9.00	0.00	1.01
	10.01	03/26/01	9.10	0.00	0.91
	10.01	06/18/01	9.21	0.00	0.80
	10.84	03/19/02	9.61	0.00	1.23
	10.84	**06/21/02**	**9.42**	**0.00**	**1.42**
MW - 9	9.68	04/26/99	8.44	0.00	1.24
	9.68	06/02/99	8.84	0.00	0.84
	9.68	10/04/00	8.71	0.00	0.97
	9.68	03/26/01	8.87	0.00	0.81
	9.68	06/18/01	MNT	0.00	NA
	10.51	03/19/02	9.29	0.00	1.22
	10.51	**06/21/02**	**9.15**	**0.00**	**1.36**
MW - 10	9.61	04/26/99	8.42	0.00	1.19
	9.61	06/02/99	8.78	0.00	0.83
	9.61	10/04/00	UTM	0.00	NA
	9.61	03/26/01	UTM	0.00	NA
	9.61	06/18/01	UTM	0.00	NA
	9.61	03/19/02	UTM	0.00	NA
	9.61	**06/21/02**	**UTM**	**0.00**	**NA**

TABLE 2 (Continued)
GROUNDWATER LEVEL MEASUREMENTS
Bannister Steel, Inc.

Well ID	MP Elevation (feet)	Date	Depth to Water (feet)	Free Product Thickness (inches)	Water Level Elevation (feet)
OW-1	10.13	06/02/99	8.74	0.00	1.39
	10.13	10/04/00	MNT	0.00	NA
	10.13	03/26/01	MNT	0.00	NA
	10.13	06/18/01	9.00	0.00	1.13
Well destroyed on June 20, 2001					

Notes:

MP ELEV = Measuring point elevation, relative elevation based on MW-4 at 10 feet above mean sea level.

On March 11, 2002, all existing & accessible wells surveyed to the Mean Sea Level datum using a licensed land surveyor.

DTW = Depth to water from top of casing

UTM = Unable to measure

NA = Not applicable

MNT = Measurement not taken

Most recent data in bold for ease of review

WL change	x	
-0.08		
-0.11		
0.42		0.39
0.17		0.56
-0.06		
#VALUE!		
#VALUE!		
-0.04		
-0.13		
0.52		0.94
0.06		1.00
0.06		
-0.09		
-1.44		

-0.12	
-0.08	
0.55	0.40
0.16	0.56

-0.13	
-0.10	
0.47	0.42
0.15	0.57

-0.10	
-0.11	
0.43	0.40
0.19	0.59

-0.16	
#VALUE!	
#VALUE!	0.39
0.14	0.53

#VALUE!
-1.13

TABLE 3
Summary of Groundwater Analytical Results
Bannister Steel, Inc.

Well Number	Date	TPH-gas (µg/l)	MTBE (µg/l)	Total Lead (mg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl Benzene (µg/l)	Xylenes (µg/l)	DIPE (µg/l)	ETBE (µg/l)	TAME (µg/l)	TBA (µg/l)
OW-1	7-88	112	na	na	6100	na	na	na	na	na	na	na
OW-1	1-89	33	na	na	3700	na	na	na	na	na	na	na
OW-1	1-90	na	na	na	5450	na	na	na	na	na	na	na
OW-1	7-90	na	na	na	7800	na	na	na	na	na	na	na
OW-1	1-91	na	na	na	1800	na	na	na	na	na	na	na
OW-1	7-91	na	na	na	1600	na	na	na	na	na	na	na
OW-1	1-92	na	na	na	3300	na	na	na	na	na	na	na
OW-1	7-92	na	na	na	1400	1900	1400	4700	na	na	na	na
OW-1	1-93	na	na	na	1500	890	1800	3500	na	na	na	na
OW-1	7-93	na	na	na	6200	460	910	2000	na	na	na	na
OW-1	1-94	na	na	na	4550	2000	2200	4900	na	na	na	na
OW-1	7-94	na	na	na	8220	392	2470	3028	na	na	na	na
OW-1	1-95	na	na	na	5065	246	444	3070	na	na	na	na
OW-1	7-95	na	na	na	7330	330	1520	935	na	na	na	na
OW-1	1-96	na	na	na	4635	690	1460	1080	na	na	na	na
OW-1	7-96	na	na	na	na	671	1800	1540	na	na	na	na
OW-1	3-19-97	na	na	na	na	na	na	na	na	na	na	na
OW-1	3-6-98	na	<0.5	<0.1	4620	na	na	na	na	na	na	na
OW-1	6-18-01	40,000	<25	na	4,800	440	2,100	2,070	<50	<50	<50	1,500
Well destroyed on June 20, 2001												
MW-1	3-19-97	<500	<20	na	<0.5	<0.5	<0.5	<0.5	na	na	na	na
MW-1	3-6-98	na	<0.5	<0.1	0.9	<0.5	<0.5	<1.0	na	na	na	na
MW-1	2-1-99	<500	<20	na	<0.5	0.55	<0.5	<1.5	na	na	na	na
MW-1	10-5-00	<500	<2	na	27	<2	4.8	<2	<2	<2	<2	<10

TABLE 3 (continued)
Summary of Groundwater Analytical Results
Bannister Steel, Inc.

Well Number	Date	TPH-gas (µg/l)	MTBE (µg/l)	Total Lead (mg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl Benzene (µg/l)	Xylenes (µg/l)	DIPE (µg/l)	ETBE (µg/l)	TAME (µg/l)	TBA (µg/l)
MW-1	3-26-01	<500	<2	<0.01	3.4	<2	<2	<2	<2	<2	<2	100
MW-1	6-18-01	<100	<1	na	1.8	<1	<1	<1	<2	<2	<2	110
MW-1	3-19-02	<100	<1.0	na	17	<0.50	0.88	<1.0	<1.0	<1.0	<1.0	95
MW-1	**6-21-02**	**<20**	**<1.0**	**na**	**6.7**	**<1.0**	**1.5**	**<2.0**	**<1.0**	**<1.0**	**<1.0**	**<50.0**
MW-2	3-19-97	703	<20	na	57.5	102	13.7	77.7	na	na	na	na
MW-2	3-6-98	na	<0.5	<0.1	96.5	6.0	18.5	11.5	na	na	na	na
MW-2	2-1-99	<500	<20	na	0.97	<0.5	1.5	1.9	na	na	na	na
MW-2	10-5-00	<500	<2	na	58	<2	6.6	<2	<2	<2	<2	<10
MW-2	3-26-01	<500	<2	<0.01	26	<2	2.6	<2	<2	<2	<2	<10
MW-2	6-18-01	260	<1.0	na	130	<1.0	15	<1.0	<2	<2	<2	<50
Well destroyed on June 20, 2001												
MW-3	3-19-97	<500	<20	na	<0.5	<0.5	<0.5	<0.5	na	na	na	na
MW-3	3-6-98	na	<0.5	<0.1	11.1	<0.5	5.9	<1.0	na	na	na	na
MW-3	2-1-99	<500	<20	na	7	<0.5	3.6	<1.5	na	na	na	na
MW-3	10-5-00	<500	<2	na	<2	<2	2.1	<2	<2	<2	<2	<10
MW-3	3-26-01	<500	<2	<0.01	<1	<2	2.9	<2	<2	<2	<2	<10
MW-3	6-18-01	<100	<1.0	na	<0.50	<1.0	4.6	<1.0	<2	<2	<2	<50
MW-3	3-19-02	<100	<1.0	na	<0.50	<0.50	2.3	<1.0	<1.0	<1.0	<1.0	<5.0
MW-3	**6-21-02**	**31**	**<1.0**	**na**	**<1.0**	**<1.0**	**2.7**	**<2.0**	**<1.0**	**<1.0**	**<1.0**	**<50.0**
MW-4	3-19-97	<500	<20	na	<0.5	<0.5	<0.5	<0.5	na	na	na	na
MW-4	3-6-98	na	<0.5	<0.1	4.0	0.5	6.2	7.8	na	na	na	na
MW-4	2-1-99	<500	<20	na	42	0.54	7.5	<1.5	na	na	na	na
MW-4	10-5-00	<500	<2	na	<2	<2	5.0	<2	<2	<2	<2	<10
MW-4	3-26-01	<500	<2	<0.01	1.8	<2	3.1	<2	<2	<2	<2	<10

TABLE 3 (continued)
Summary of Groundwater Analytical Results
Bannister Steel, Inc.

Well Number	Date	TPH-gas (µg/l)	MTBE (µg/l)	Total Lead (mg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl Benzene (µg/l)	Xylenes (µg/l)	DIPE (µg/l)	ETBE (µg/l)	TAME (µg/l)	TBA (µg/l)
MW-4	6-18-01	2,200	<1.0	na	390	4.5	280	261	<2	<2	<2	<50
Well destroyed on June 20, 2001												
MW-6	1-21-99	1,200	na	na	820	0.81	150	81	na	na	na	na
MW-6	10-5-00	<500	<2	na	8.9	<2	3.8	2.1	<2	<2	<2	<10
MW-6	3-26-01	<500	<2	<0.01	53	<2	22	10	<2	<2	<2	49
MW-6	6-18-01	<100	<1.0	na	35	<1.0	12	7.2	<2	<2	<2	<50
MW-6	3-19-02	<100	<1.0	na	<0.50	<0.50	1.1	<1.0	<1.0	<1.0	<1.0	<5.0
MW-6	**6-21-02**	**<20**	**<1.0**	**na**	**<1.0**	**<1.0**	**<1.0**	**<2.0**	**<1.0**	**<1.0**	**<1.0**	**<50.0**
MW-7	1-21-99	790	na	na	260	280	23	58	na	na	na	na
MW-7	10-5-00	<500	<2	na	100	<2	22	8.6	<2	<2	<2	<10
MW-7	3-26-01	<500	<2	<0.01	280	170	48	113	<2	<2	<2	<10
MW-7	6-18-01	630	<2	na	210	4.9	39	45.6	<4	<4	<4	170
MW-7	3-19-02	110	<1.0	na	110	1.1	28	9.4	<1.0	<1.0	<1.0	<5.0
MW-7	**6-21-02**	**431**	**<2.0**	**na**	**107**	**<2.0**	**29.4**	**6.2**	**<2.0**	**<2.0**	**<2.0**	**<100.0**
MW-8	4-26-99	<500	<20	na	<0.5	<0.5	<0.5	<1.5	na	na	na	na
MW-8	10-4-00	<500	<2	na	<2	<2	<2	<2	<2	<2	<2	<10
MW-8	3-26-01	<500	<2	<0.01	4.3	2.5	<2	<2	<2	<2	<2	<10
MW-8	6-18-01	<100	<1.0	na	<0.50	<1.0	<1.0	<1.0	<2	<2	<2	<50
MW-8	3-19-02	<100	<1.0	na	<0.50	<0.50	<0.50	<1.0	<1.0	<1.0	<1.0	<5.0
MW-8	**6-21-02**	**<20**	**<1.0**	**na**	**<1.0**	**<1.0**	**<1.0**	**<2.0**	**<1.0**	**<1.0**	**<1.0**	**<50.0**

TABLE 3 (continued)
Summary of Groundwater Analytical Results
Bannister Steel, Inc.

Well Number	Date	TPH-gas (µg/l)	MTBE (µg/l)	Total Lead (mg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl Benzene (µg/l)	Xylenes (µg/l)	DIPE (µg/l)	ETBE (µg/l)	TAME (µg/l)	TBA (µg/l)
MW-9	4-26-99	<500	<20	na	3.2	<0.5	0.81	<1.5	na	na	na	na
MW-9	10-4-00	<500	<2	na	<2	<2	<2	<2	<2	<2	<2	<10
MW-9	3-26-01	<500	<2	<0.01	<1	<2	<2	<2	<2	<2	<2	<10
MW-9	6-18-01	<100	<1.0	na	<0.50	<1.0	<1.0	<1.0	<2	<2	<2	<50
MW-9	3-19-02	<100	<1.0	na	<0.50	<0.50	<0.50	<1.0	<1.0	<1.0	<1.0	<5.0
MW-9	**6-21-02**	**<20**	**<1.0**	**na**	**<1.0**	**<1.0**	**<1.0**	**<2.0**	**<1.0**	**<1.0**	**<1.0**	**<50.0**
MW-10	4-26-99	<500	<20	na	0.69	<0.5	<0.5	5.0	na	na	na	na
MW-10	10-5-00	na	na	na	na	na	na	na	na	na	na	na
MW-10	3-26-01	na	na	na	na	na	na	na	na	na	na	na
MW-10	6-18-01	na	na	na	na	na	na	na	na	na	na	na
MW-10	3-19-02	na	na	na	na	na	na	na	na	na	na	na
MW-10	**6-21-02**	**na**	**na**	**na**	**na**	**na**	**na**	**na**	**na**	**na**	**na**	**na**

Notes: mg/l = milligrams per liter
µg/l = micrograms per liter
na = Not analyzed
< = Less than laboratory analytical detection limits for that compound
Most recent data in bold for ease of review

TABLE 4
Summary of Groundwater Analytical Results
(RNA Parameters)
Bannister Steel, Inc.

Well Number	Date	Dissolved Oxygen (mg/l)	pH (pH units)	Iron (mg/l)	Sulfate (mg/l)	Sulfide (mg/l)	Sulfite (mg/l)	Nitrate-Nitrite-N (mg/l)
OW-1	3-26-01	--	--	--	--	--	--	--
OW-1	6-18-01	<1.0	6.95	0.774	750	--	4	<0.10
MW-1	3-26-01	1.5	7.07	--	--	--	--	--
MW-1	6-18-01	1.5	7.30	6.36	1,500	--	<2	<0.10
MW-1	3-19-02	--	6.75	--	--	--	--	--
MW-1	**6-21-02**	**0.5**	**6.97**	**2.5**	**1,520**	**<0.05**	**--**	**0.37**
MW-2	3-26-01	1.5	7.71	--	--	--	--	--
MW-2	6-18-01	1.5	7.13	2.30	800	--	<2	<0.10
MW-3	3-26-01	2.0	7.30	--	--	--	--	--
MW-3	6-18-01	1.5	7.49	2.07	930	--	<2	<0.10
MW-3	3-19-02	--	6.92	--	--	--	--	--
MW-3	**6-21-02**	**1.5**	**7.01**	**1.1**	**1,070**	**<0.05**	**--**	**0.13**
MW-4	3-26-01	--	7.71	--	--	--	--	--
MW-4	6-18-01	2.5	7.38	4.04	1,500	--	<2	<0.10
MW-6	3-26-01	2.5	7.54	--	--	--	--	--
MW-6	6-18-01	--	7.85	2.68	1,000	--	<2	<0.10
MW-6	3-19-02	--	7.61	--	--	--	--	--
MW-6	**6-21-02**	**2.0**	**7.68**	**1.6**	**835**	**<0.05**	**--**	**0.10**
MW-7	3-26-01	1.5	7.46	--	--	--	--	--
MW-7	6-18-01	1.5	7.72	1.37	1,100	--	<2	<0.10
MW-7	3-19-02	--	7.01	--	--	--	--	--
MW-7	**6-21-02**	**1.5**	**7.49**	**1.0**	**1,330**	**<0.05**	**--**	**1.87**
MW-8	3-26-01	1.5	7.22	--	--	--	--	--
MW-8	6-18-01	3.5	7.39	1.11	730	--	<2	<0.10
MW-8	3-19-02	--	6.91	--	--	--	--	--
MW-8	**6-21-02**	**1.0**	**7.12**	**0.3**	**681**	**<0.05**	**--**	**0.12**
MW-9	3-26-01	2.5	7.61	--	--	--	--	--
MW-9	6-18-01	2.5	7.94	9.95	1,500	--	<2	<0.10
MW-9	3-19-02	--	7.28	--	--	--	--	--
MW-9	**6-21-02**	**2.5**	**7.57**	**5.0**	**1,430**	**<0.05**	**--**	**0.28**

TABLE 4
Summary of Groundwater Analytical Results (RNA Parameters) (continued)
Bannister Steel, Inc.

Notes: RNA = Remediation by Natural Attenuation
mg/l = milligrams per liter
-- = Not analyzed
< = Less than laboratory analytical detection limits for that compound
Most recent data in bold for ease of review